

Rabbit MFN2 Polyclonal Antibody | anti-MFN2 antibody

MFN2 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285053	Rabbit	Human (Predicted Reactivity: Mouse, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

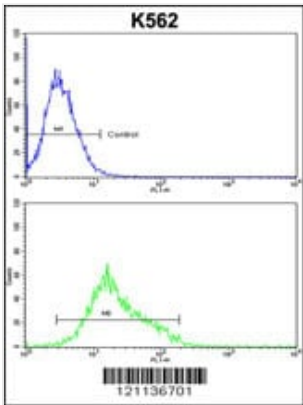
PRODUCT SYNONYMS

MFN2; Polyclonal Antibody; MFN2 Antibody (Center); Mitofusin-2; 365-; Transmembrane GTPase MFN2; CPRP1; KIAA0214; anti-MFN2 antibody

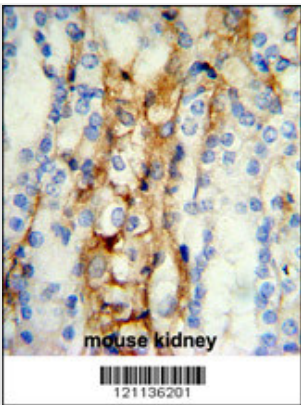
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MFN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 447-476 amino acids from the Central region of human MFN2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.44 (varies by lot)
Sequence Positions	447-476
Sequence Length	436
Applicable Applications for anti-MFN2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

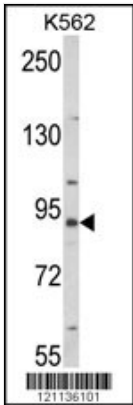
IMAGES



FCM/FACS (Flow Cytometry)
MFN2 Antibody (Center) flow cytometric analysis of k562 cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded mouse kidney reacted with MFN2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of MFN2 Antibody (Center) in K562 cell line lysates (35ug/lane). MFN2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-MFN2 antibody	MFN2 is a mitochondrial membrane protein that participates in mitochondrial fusion and contributes to the maintenance and operation of the mitochondrial network. This protein is involved in the regulation of vascular smooth muscle cell proliferation, and it may play a role in the pathophysiology of obesity. Mutations in this gene cause Charcot-Marie-Tooth disease type 2A2, and hereditary motor and sensory neuropathy VI, which are both disorders of the peripheral nervous system.
Product Categories/Family for anti-MFN2 antibody	Cell Biology; Metabolism; Neuroscience; Signal Transduction
References	Calvo,J., et.al.,Arch. Neurol. 66 (12), 1511-1516 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	189083768
NCBI GeneID	9927
NCBI Accession #	NP_001121132.1; NP_055689.1
NCBI GenBank Nucleotide #	NM_001127660.1
UniProt Accession #	O95140; O95572; Q5JXC3; Q5JXC4; Q9H131; Q9NSX8; A8K1B3

Molecular Weight	86402
NCBI Official Full Name	mitofusin-2
NCBI Official Synonym Full Names	mitofusin 2
NCBI Official Symbol	MFN2
NCBI Official Synonym Symbols	HSG; MARF; CMT2A; CPRP1; CMT2A2
NCBI Protein Information	mitofusin-2
UniProt Protein Name	Mitofusin-2
UniProt Gene Name	MFN2
UniProt Synonym Gene Names	CPRP1; KIAA0214
UniProt Entry Name	MFN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/mfn2-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/285053>